

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 43B > 20" PRECIPITATION

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		Clayey (AWC > 6") FSG # 001		Clayey, dry (AWC 3-6") FSG # 003		Clayey, Limy FSG # 007		Clayey, Mod. Saline (EC 4 - 8 mmhos/cm) FSG # 008		Deep Sub- Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017		Loamy, Acid (pH 4.5 - < 5.5) FSG # 018	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
COOL SEASON GRASSES															
Bluegrass	big	G		F		F	G	F				G	G		
Bluegrass	Kentucky	G		G		F	G					G	G	G	G
Bromegrass	meadow	G	G		G	F	G		F	G		G	G	G	G
Bromegrass	mountain	G				F				F		G		F	F
Bromegrass	smooth	G	G	G	G	F	G	F	F		G	G	G	G	G
Fescue	Sheep	G		G		F	G	F				G	G	G	G
Fescue	tall	G	F	G	F	F	G		F		G	G	G	G	G
Foxtail	creeping	G	G	F	G	F	G		G	G			G	F	F
Foxtail	meadow	G	G	F	G	F	G		G		G		G		
Galleta		G		F		F	G				G	G	G		
Needle and Thread						F					G				
Needlegrass	green					F		F							
Nuttall	alkaligrass							G		G					
Orchard grass		G	G	G	G	F	G		G		G	G	F	F	F
* Adapted to certain sites		If there is adequate snow cover over winter that will provide protection.													

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		Loamy, dry (AWC 3-6") FSG # 019		Loamy, Limy FSG # 022		Loamy, Mod. Saline (AWC >6") (EC 4 - 8 mmhos/cm) FSG # 023		Loamy- Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 024		Sandy (AWC > 6") FSG # 025		Sandy, dry (AWC 3-6") FSG # 026		Sodic, Sodic /Saline FSG # 027	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
COOL SEASON GRASSES															
Bluegrass	big	G		F	G	F	F								
Bluegrass	Kentucky	G		F	G										
Bromegrass	meadow		G	F	G			F				F			
Bromegrass	mountain			F				F							
Bromegrass	smooth	G	G	F	G	G		G							
Fescue	Sheep	G		F	G	F		F							
Fescue	tall	G	G	F	G		G	F	F			F			
Foxtail	creeping		G	F	G	F	G		G			F			
Foxtail	meadow		G	F	G		G		G		G	F	G	F	F
Galleta				F	G			F			G		G		F
Needle and Thread				F							G		G		F
Needlegrass	green			F						G		G			
Nuttall	alkaligrass														
Orchard grass		G	G	F	G	F				F	G	F	G		
* Adapted to certain sites		If there is adequate snow cover over winter that will provide protection.													

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		Sub-Irrigated, Loamy/Sandy FSG # 031		Sub-Irrigated, Mod. Saline (EC 8 - 16 mmhos/cm) FSG # 032		Wet FSG # 034		Wet, Saline (EC 8 - 16 mmhos/cm) FSG # 035					
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
COOL SEASON GRASSES													
Bluegrass	big												
Bluegrass	Kentucky												
Bromegrass	meadow	G											
Bromegrass	mountain	F	G										
Bromegrass	smooth	F	G		F								
Fescue	Sheep												
Fescue	tall	F	G		F				G				
Foxtail	creeping								G				
Foxtail	meadow	F	G		G	F			G				
Galleta		F	G		G	G							
Needle and Thread		F	G	F	G	G							
Needlegrass	green												
Nuttall	alkaligrass			G		F		F					
Orchard grass		F	G						G				
* Adapted to certain sites		If there is adequate snow cover over winter that will provide protection.											

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		Clayey (AWC > 6") FSG # 001		Clayey, dry (AWC 3-6") FSG # 003		Clayey, Limy FSG # 007		Clayey, Mod. Saline (EC 4 - 8 mmhos/cm) FSG # 008		Deep Sub- Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017		Loamy, Acid (pH 4.5 - < 5.5) FSG # 018	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Prairie	junegrass	G		G		F				F		G			
Prairie cordgrass			G		G										
Prairie sandreed					F					F		G			
Reed canarygrass			G		G		G		G		G	G	G		
Ryegrass	perennial	F	G	F	G	F	G		G		G	G	G		
Timothy			G		G		G		G		G		G	G	G
Wheatgrass	beardless	F		F		F	G			G		G	G	G	G
Wheatgrass	bluebunch	F		F		F	G			G		G	G	G	G
Wheatgrass	crested	G		G		F	G	G		G		G	G	G	G
Wheatgrass	Hybrid (quack x bluebunch)	G		F		F	G	G	G	G	G	G	G	G	G
Wheatgrass	Intermediate	G	G	F	G	F	G		G	F	G	G	G	F	F
Wheatgrass	Pubescent	F	G	F	G	G	G	F	G	F	G	G	G	F	F
Wheatgrass	Siberian	F		F		G	G	F		G		G	G	G	G
Wheatgrass	Slender	G	G	G	G	F	G	G	G	G	G	G	F	F	
Wheatgrass	Standard crested	G		F		F	G	F		G		G	G	G	G

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Prairie	junegrass	G		F						F		F			
Prairie cordgrass							G								
Prairie sandreed		G		F						G		G			
Reed canarygrass			G		G						G		G		
Ryegrass	perennial	G	G	F	G						G	F	G		
Timothy			G		G		F			F		F			
Wheatgrass	beardless	G		F	G	G	G	G	F	G		F			
Wheatgrass	bluebunch	G		F	G	G	G	G	F	G		F			
Wheatgrass	crested	G		F	G	G		G		G		F			
Wheatgrass	Hybrid (quack x bluebunch)	G	G	F	G	G	G	G	G		G	F	G	G	F
Wheatgrass	Intermediate	G	G	F	G	G	G	G	F	F	G	F	G		
Wheatgrass	Pubescent	G	G	G	G	G	G	G	F	G	G	F	G		
Wheatgrass	Siberian	G		G	G	F				G		F			
Wheatgrass	Slender	G	G	F	G	G	G	G	G	G	F	G			
Wheatgrass	Standard crested	G		F	G	F				G		F			

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Prairie	junegrass	F						G			
Prairie cordgrass							G				
Prairie sandreed		F									
Reed canarygrass		F	G		F	G					
Ryegrass	perennial	F	G		F	F					
Timothy		F	G			F					
Wheatgrass	beardless	F									
Wheatgrass	bluebunch	F									
Wheatgrass	crested	G									
Wheatgrass	Hybrid (quack x bluebunch)	F	G	G	G	F		G	F		
Wheatgrass	Intermediate	F	G	F	F						
Wheatgrass	Pubescent	F	G	F	F						
Wheatgrass	Siberian	F									
Wheatgrass	Slender	F	G	G	G						
Wheatgrass	Standard crested	F									

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		Clayey (AWC > 6") FSG # 001		Clayey, dry (AWC 3-6") FSG # 003		Clayey, Limy FSG # 007		Clayey, Mod. Saline (EC 4 - 8 mmhos/cm) FSG # 008		Deep Sub- Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017		Loamy, Acid (pH 4.5 - < 5.5) FSG # 018	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Wheatgrass	Standard x fairway	G		F		F	G	F		G		G	G	G	G
Wheatgrass	Streambank	G		G		F	G	F		G		G	G	G	G
Wheatgrass	tall	F	G	F	G	F	G	F	G	F	G	G	G	F	F
Wheatgrass	thickspike	G	G	G	G	G	G	G	G		G	G	G	G	G
Wheatgrass	western	G	G	F	G	G	G	G	G	G		G	G	F	F
Wildrye	altai	F	G	F	G	G	G		G		G	G	G	G	G
Wildrye	basin	G	G	G	G	F	G	F	G	G	G	G	G	G	G
Wildrye	beardless	F	G	F	G	F	G		G		G	G	G	F	F
Wildrye	canada	F		F		F	G			G		G	G	G	G
Wildrye	mammoth	F		F		F	G			G		G	G	F	F
Wildrye	russian	G		G		G	G	G		G		G	G	F	F
WARM SEASON GRASSES															
Alkali sacaton		G		F				F		G					
Bluestem	big	F				F				G		G		G	G
Bluestem	Little	F				F				G		G		G	G

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Wheatgrass	Standard x fairway	G		F	G	G		F		G		F			
Wheatgrass	Streambank	G		F	G	G	G	G	G	G		F			
Wheatgrass	tall	G	G	F	G	G	G	F	G	G	G	F	G	F	F
Wheatgrass	thickspike	G	G	G	G	G		G		G		F			
Wheatgrass	western	G	G	G	G	G		G				F			
Wildrye	altaï	G	G	G	G		G	G	G		G	F	G		
Wildrye	basin	G	G	F	G	G		G		G	F	F	F		
Wildrye	beardless	G	G	F	G		G	G	G		G	F	G	F	F
Wildrye	canada	G		F	G	G	G	F	G		G				
Wildrye	mammoth	G		F	G	F	F		G		G				
Wildrye	russian	G		G	G	G		F		G		F			
WARM SEASON GRASSES															
Alkali sacaton															
Bluestem	big			F		G		F							
Bluestem	Little	F		F		G		F							

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		Sub-Irrigated, Loamy/Sandy FSG # 031		Sub-Irrigated, Mod. Saline (EC 8 - 16 mmhos/cm) FSG # 032		Wet FSG # 034		Wet, Saline (EC 8 - 16 mmhos/cm) FSG # 035			
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Wheatgrass	Standard x fairway	F									
Wheatgrass	Streambank	G		F							
Wheatgrass	tall	F	F	G	G			G	G		
Wheatgrass	thickspike	G									
Wheatgrass	western	F		G							
Wildrye	altaï	G	G	G	G	F		F	F		
Wildrye	basin	F	G	F	F			F			
Wildrye	beardless	F	G	G	G	F		F	F		
Wildrye	canada	F		F							
Wildrye	mammoth	F									
Wildrye	russian	G		F							
WARM SEASON GRASSES											
Alkali sacaton				G		F		F			
Bluestem	big										
Bluestem	Little										

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		Clayey (AWC > 6") FSG # 001		Clayey, dry (AWC 3-6") FSG # 003		Clayey, Limy FSG # 007		Clayey, Mod. Saline (EC 4 - 8 mmhos/cm) FSG # 008		Deep Sub- Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017		Loamy, Acid (pH 4.5 - < 5.5) FSG # 018	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Bluestem	sand													F	F
Buffalograss		G		G											
Indian	ricegrass									G				F	F
Indiangrass														G	G
Sideoats	grama											G		G	G
Squiretail	bottlebrush														
Switchgrass		F		F		F				G		G		G	G
INTRODUCED LEGUMES															
Alfalfa		F	G	F	G	F	G		F	F	G	G	G	F	F
Birdsfoot trefoil		F	G	F	G	F	G		F		G	G	G	G	G
Clover	alsike	F	G	F	G	F	G		F		G	G	G		
Clover	ladino	F	G	F	G	F	G		F		G	G	G		
Clover	red	F	G	F	G		G		F		G		G	G	G
Clover	strawberry	F	G	F	G		G		F		G		G		
Clover	white	F	G	F	G	F	G		F		G	G	G	G	G
Milkvetch	cicer	F	G	F	G	F	G		F	F	G	G	G	F	F

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Bluestem	sand									G		G			
Buffalograss															
Indian	ricegrass					G		F		G		F			
Indiangrass															
Sideoats	grama	G				G		F							
Squiretail	bottlebrush														
Switchgrass		G		F		F		F							
INTRODUCED LEGUMES															
Alfalfa		G	G	F	G	F	F	F		F	G		G		
Birdsfoot trefoil			G	F	G	F		F			G		G		
Clover	alsike		G	F	G						G		G		
Clover	ladino		G	F	G						G		G		
Clover	red		G		G						G		G		
Clover	strawberry		G		G	G	G	F	F		G		G		
Clover	white		G	F	G	F		F			G		G		
Milkvetch	cicer	G	G	F	G	G		G			G		G		

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Bluestem	sand										
Buffalograss											
Indian	ricegrass										
Indiangrass											
Sideoats	grama										
Squiretail	bottlebrush						F				
Switchgrass								F			
INTRODUCED LEGUMES											
Alfalfa											
Birdsfoot trefoil		F	G	G	G						
Clover	alsike	F	G	G	G						
Clover	ladino	F	G								
Clover	red	F	G			F					
Clover	strawberry	F	G								
Clover	white	F	G								
Milkvetch	cicer	F	G	F	F						

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Sainfoin		F	G	F	G	F	G			G	G	G	G	F	F
Sweetclover	white	F	G	F	G	F	G		F	G	G	G	G	G	G
Sweetclover	yellow	F	G	F	G	F	G		F	G	G	G	G	G	G
OTHER PERENNIAL FORBS & SHRUBS															
Small Burnett		G		F										F	F
Saltbush	Four Wing	G		F		F		F		G		G			
Saltbush	Gardner	G		F		F		F		G		G			

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED		
Blank = Not Suited															
F = Fair															
G = Good															
Sainfoin		G	G	F	G	F		F		G		G			
Sweetclover	white	G	G	F	G	G		G		G		G			
Sweetclover	yellow	G	G	F	G	G		G		G		G			
OTHER PERENNIAL FORBS & SHRUBS															
Small Burnett						F		F							
Saltbush	Four Wing			F		G		G		G		G			
Saltbush	Gardner			F					G		G				

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KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Sainfoin		F	G								
Sweetclover	white	F	G								
Sweetclover	yellow	F	G								
OTHER PERENNIAL FORBS & SHRUBS											
Small Burnett											
Saltbush	Four Wing										
Saltbush	Gardner										